

Form PTO-1449 (Modified)

U.S. Department of Commerce
Patent and Trademark OfficeAtty. Docket No.
27611/36928Serial No.
09/995263Applicant
Onyuksel, H. *et al.*Filing Date
November 27, 2001Group
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INFORMATION DISCLOSURE STATEMENT

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U.S. PATENT DOCUMENTS

*Examiner Initials		Document Number	Issue Date	Name	Class	Subclass	Filing Date If Appropriate
lu	A1	4,529,561	07/16/85	Hunt, C.A. <i>et al.</i>	264	4.3	
	A2	4,920,016	04/24/90	Allen, T.M. <i>et al.</i>	424	450	
	A3	5,013,556	05/07/91	Woodle, M.C. <i>et al.</i>	424	450	
	A3	5,225,212	07/06/93	Martin, F.J. <i>et al.</i>	424	450	
	A5	5,230,882	07/27/93	Unger, E.C.	424	9	
	A6	5,374,548	12/20/94	Caras, I.W.	424	450	
	A7	5,484,894	01/16/96	Woiszwilllo, J.E.	530	410	
	A6	5,514,670	05/07/96	Friedman, D. <i>et al.</i>	514	2	
	A9	5,534,241	07/09/96	Torchilin, V.P. <i>et al.</i>	424	9.321	
	A10	5,542,935	08/06/96	Unger, E.C. <i>et al.</i>	604	450	
	A11	5,543,390	08/06/96	Yatvin, M.B. <i>et al.</i>	514	2	
	A12	5,545,569	08/13/96	Grainger, D.J. <i>et al.</i>	436	518	
	A13	5,552,156	09/03/96	Burke, T.G.	424	450	
	A14	5,567,410	10/22/96	Torchilin, V.P. <i>et al.</i>	424	9.4	
	A15	5,573,934	11/12/96	Hubbell, J.A. <i>et al.</i>	435	177	
	A16	5,578,709	11/26/96	Woiszwilllo, J.E.	530	410	
	A17	5,580,575	12/03/96	Unger, E.C. <i>et al.</i>	424	450	
	A18	5,580,853	12/03/96	Sytkowski, A.J.	514	8	

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lu	A19	5,585,112	12/17/96	Unger, E.C. <i>et al.</i>	424	450	
	A20	5,587,149	12/24/96	Punto, L. <i>et al.</i>	424	59	
	A21	5,589,453	12/31/96	Greve, J.M. <i>et al.</i>	514	8	
	A22	5,595,722	01/21/97	Grainger, D.J. <i>et al.</i>	424	9.2	
	A23	5,612,027	03/18/97	Galin, M.A. <i>et al.</i>	424	78.04	
	A24	5,633,226	05/27/97	Owen, A.J. <i>et al.</i>	514	2	
lu	A25	5,635,187	06/03/97	Bathurst, I.C. <i>et al.</i>	424	195.1	

FOREIGN PATENT DOCUMENTS

*Examiner Initials		Document Number	Publication Date	Country	Class	Subclass	Translation	
							Yes	No
lu	B1	0082311	05/22/82	JP	—	—	ABSTRACT ONLY	
	B2	WO 93/20802	10/28/93	WIPO	—	—		
	B3	WO 95/27496	10/19/95	WIPO	—	—		
	B4	WO 97/35560	10/02/97	WIPO	—	—		
lu	B5	WO 97/35561	10/02/97	WIPO	—	—		

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lu	C1	Alessandrini, F. <i>et al.</i> , "Vasoactive Intestinal Peptide Enhances Lung Preservation," <i>Transplantation</i> , 56(4):964-973 (October, 1993).
	C2	Alexandridis, P. <i>et al.</i> , "Temperature Effects of Structural Properties of Pluronic P104 and F108 PEO-PPO-PEO Block Copolymer Solutions," <i>Langmuir</i> , 11:1468-1476 (1995).
	C3	Alkan-Onyuksel, H. <i>et al.</i> , "A Mixed Micellar Formulation Suitable for the Parenteral Administration of Taxol," <i>Pharmaceutical Research</i> , 11(2):206-212 (1994).
	C4	Alkan-Onyuksel, H. <i>et al.</i> , "Development of Inherently Echogenic Liposomes as an Ultrasonic Contrast Agent," <i>Journal of Pharmaceutical Sciences</i> , 85(5):486-490 (May, 1996).
	C5	Allen, T.M. <i>et al.</i> , "Large Unilamellar Liposomes with Low Uptake into the Reticuloendothelial System," <i>Federation European Biochemical Societies</i> , 223(1):42-46 (October, 1987)
	C6	Allen, T.M. <i>et al.</i> , "Liposomes containing synthetic lipid derivatives of poly(ethylene glycol) show prolonged circulation half-lives in vivo," <i>Biochimica et Biophysica Acta</i> , 1066:29-36 (1991).
	C4	Almgren, M. <i>et al.</i> , "Self-aggregation and phase behavior of poly(ethylene oxide)-poly(propylene oxide)-poly(ethylene oxide) block copolymers in aqueous solution," <i>Colloid Polym Sci.</i> , 273:2-15 (1995).
	C8	Artwohl, J.F. <i>et al.</i> , "Initial Characterization of Hamsters with Spontaneous Hypertension," <i>FASEB J.</i> , 10:A628 (1996).
	C9	Avidor, R. <i>et al.</i> , "VIP-mRNA is increased in hypertensive rats," <i>Brain Research</i> , 503:304-307 (1989).
lu	C10	Bangham, A.D. <i>et al.</i> , "Diffusion of Univalent Ions across the Lamellae of Swollen Phospholipids," <i>J. Mol. Biol.</i> , 13:238-252 (1965).

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lu	C11	Beaumier, P.L. <i>et al.</i> , "Effect of Liposome Dose on the Elimination of Small Unilamellar Sphingomyelin/Cholesterol Vesicles from the Circulation," <i>Research Communications in Chemical Pathology and Pharmacology</i> , 39(2):277-289 (February, 1983).
	C12	Beaumier, P.L. <i>et al.</i> , "Effects of Liposome Size on the Degradation of Bovine Brain Sphingomyelin/Cholesterol Liposomes in the Mouse Liver," <i>Biochimica et Biophysica Acta</i> , 731:23-30 (1983).
	C13	Bedu-Addo, F.K. <i>et al.</i> , "Interaction of Polyethyleneglycol-Phospholipid Conjugates with Cholesterol-Phosphatidylcholine Mixtures: Sterically Stabilized Liposome Formulations," <i>Pharmaceutical Research</i> , 13(5):718-724 (1996)
	C14	Berisha, H. <i>et al.</i> , "Vasoactive intestinal peptide prevents lung injury due to xanthine oxidase," <i>Am. J. Physiol.</i> , 259:L151-L155 (1990).
	C15	Bodanszky, M: <i>et al.</i> , "A Preferred Conformation in the Vasoactive Intestinal Peptide (VIP). Molecular Architecture of Gastrointestinal Hormones," <i>Bioorganic Chemistry</i> , 3:133-140 (1974).
	C16	Bolin, D.R. <i>et al.</i> , "Design and Development of a Vasoactive Intestinal Peptide Analog as a Novel Therapeutic for Bronchial Asthma," <i>Biopolymers, (Peptide Science)</i> 37:57-66 (1995).
	C14	Carey, M.C. <i>et al.</i> , "Micelle Formation by Bile Salts," <i>Arch Inter. Med.</i> , 130:506-527 (October, 1972).
	C15	Chiba, K. <i>et al.</i> , "Interaction Between Lipids and Bovine Brain Calmodulin: Lysophosphatidylcholine-Induced Conformation Change," <i>Life Science</i> , 47:953-960 (1990).
lu	C19	Damrongchai, N. <i>et al.</i> , "Calcium Responsive Two-Dimensional Molecular Assembling of Lipid-Conjugated Calmodulin," <i>Bioconjugate Chem.</i> , 6:264-268 (1995).

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C20	DeGrado, W.F. <i>et al.</i> , "Induction of Peptide Conformation at Apolar/Water Interfaces. 1. A Study with Model Peptides of Defined Hydrophobic Periodicity," <i>J. Am. Chem. Soc.</i> , 107:7684-7689 (1985).
C21	Demos, S.M. <i>et al.</i> , "In Vitro Targeting of Antibody-Conjugated Echogenic Liposomes for Site-Specific Ultrasonic Image Enhancement," <i>Journal of Pharmaceutical Sciences</i> , 86(2):167-171 (February, 1997).
C22	Fournier, A. <i>et al.</i> , "Synthesis, Conformational Studies and Biological Activities of VIP and Related Fragments," <i>Peptides</i> 5:169-177 (1984).
C23	Frase, L.L. <i>et al.</i> , "Cardiovascular Effects of Vasoactive Intestinal Peptide in Healthy Subjects," <i>Am. J. Cardio.</i> , 60:1356-1361 (1987).
C24	Fry, D.C. <i>et al.</i> , "Solution Structure of an Analogue of Vasoactive Intestinal Peptide As Determined by Two-Dimensional NMR and Circular Dichroism Spectroscopies and Constrained Molecular Dynamics," <i>Biochemistry</i> , 28:2399-2409 (1989).
C25	Gabizon, A. <i>et al.</i> , "Liposome Formulations with Prolonged Circulation Time in Blood and Enhanced Uptake by Tumors," <i>Proc. Natl. Acad. Sci. (USA)</i> , 85:6949-6953 (September, 1988).
C26	Gao, X. <i>et al.</i> , "Loop diuretics attenuate bradykinin-induced increase in clearance of macromolecules in the oral mucosa," <i>J. Appl. Physiol.</i> , 80(3):818-823 (1996).
C27	Gao, X. <i>et al.</i> , "Vasoactive Intestinal Peptide Encapsulated in Liposomes: Effects on Systemic Arterial Blood Pressure," <i>Life Sciences</i> , 54(15): PL247-PL252 (1994).
C28	Gozes, I. <i>et al.</i> , "VIP: Molecular Biology and Neurobiological Function," <i>Molecular Neurobiology</i> , 3:201-236 (1989).
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W	C30	Gozes, I. <i>et al.</i> , "Superactive Lipophilic Peptides Discriminate Multiple Vasoactive Intestinal Peptide Receptors," <i>J. Pharmacology Experimental Therapeutics</i> , 273(1):161-167 (1995).
	C31	Gregoriadis, G. <i>et al.</i> , "Fate of Protein-Containing Liposomes Injected into Rats: An Approach to the Treatment of Storage Diseases," <i>Eur. J. Biochem.</i> 24:485-491 (1972).
	C32	Gregoriadis, G. <i>et al.</i> , "Liposomes in Drug Delivery: Clinical, Diagnostic and Ophthalmic Potential," <i>Drugs</i> , 45(1):15-28 (1993).
	C33	Haghjoo, K. <i>et al.</i> , "Solution Structure of Vasoactive Intestinal Polypeptide (11-28)-NH ₂ , a Fragment with Analgesic Properties," <i>Peptide Research</i> , 9(6):327-331 (1996).
	C34	Hamed, M.M. <i>et al.</i> , "Behavior of Amphipathic Helices on Analysis via Matrix Methods, with Application to Glucagon, Secretin, and Vasoactive Intestinal Peptide," <i>Biopolymers</i> , 22:1003-1021 (1983).
	C35	Hirata, Y. <i>et al.</i> , "Functional Receptors For Vasoactive Intestinal Peptide In Cultured Vascular Smooth Muscle Cells From Rat Aorta," <i>Biochemical Biophysical Research Communications</i> , 132(3):1079-1087 (November, 1985).
	C36	Hjelm, R.P. Jr. <i>et al.</i> , "Organization of Phosphatidylcholine and Bile Salt in Rodlike Mixed Micelles," <i>J. Phys. Chem.</i> , 96(21):8653-8661 (1992).
	C37	Hökfelt, T., "Neuropeptide in Perspective: The Last Ten Years," <i>Neuron</i> , 7:867-879 (1991).
✓	C38	Houbre, D. <i>et al.</i> , "The Interactions of the Brain-specific Calmodulin-binding Protein Kinase C Substrate, Neuromodulin (GAP 43), with Membrane Phospholipids," <i>Journal Biological Chemistry</i> , 266(11):7121-7131 (April, 1991).
W	C39	Hristova, K. <i>et al.</i> , "Effect of Bilayer Composition on the Phase Behavior of Liposomal Suspensions Containing Poly(ethylene glycol)- Lipids," <i>Macromolecules</i> , 28(23):7793-7799 (1995).

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lw	C40	Hristova, K. <i>et al.</i> , "Phase Behavior of a Lipid/Polymer-Lipid Mixture in Aqueous Medium," <i>Macromolecules</i> , 28:991-1002 (1995).
	C41	Hwang, K.J., "Liposome Pharmacokinetics," in <i>Liposomes from Biophysics to Therapeutics</i> , Ostro, M.J. (Ed.), Marcel Dekker, Inc., New York, pp. 109-156 (1987).
	C42	Kaiser, E.T. <i>et al.</i> , "Peptides with Affinity for Membranes," <i>Ann. Rev. Biophys. Biophysical Chem.</i> , 16:561-581 (1987).
	C43	Kates, M., in <i>Laboratory Techniques in Biochemistry and Molecular Biology: Techniques in Lipidology Isolation, Analysis and Identification of Lipids</i> , Work, T.S. <i>et al.</i> , (Eds.) North-Holland/American Elsevier, New York, New York, USA, pp. 354-356 (1972).
	C44	Kedar, E. <i>et al.</i> , "Delivery of Cytokines by Liposomes. I. Preparation and Characterization of Interleukin-2 Encapsulated in Long-Circulating Sterically Stabilized Liposomes," <i>Journal of Immunotherapy</i> , 16:47-59 (1994).
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	C46	Kirby, C. <i>et al.</i> , "Dehydration-Rehydration Vesicles: A Simple Method for High Yield Drug Entrapment in Liposomes," <i>Biotechnology</i> , pp. 979-984 (November 1984).
	C47	Kirby, C. <i>et al.</i> , "Effect of the Cholesterol Content of Small Unilamellar Liposomes on their Stability <i>in vivo</i> and <i>in vitro</i> ," <i>Biochem. J.</i> , 186:591-598 (1980).
	C48	Klibanov, A.L. <i>et al.</i> , "Activity of amphipathic poly(ethylene glycol) 5000 to prolong the circulation time of liposomes depends on the liposome size and is unfavorable for immunoliposome binding to target," <i>Biochimica Biophysica Acta</i> , 1062:142-148 (1991).
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	C51	Lasic, D. <i>et al.</i> , <i>Stealth Liposomes</i> , Lasic, D. <i>et al.</i> , (Eds.), CRC Press, Inc., Boca Raton, FL, pp. 1-289 (1995).
	C52	Litzinger, D.C. <i>et al.</i> , "Effect of Liposome Size on the Circulation Time and Intraorgan Distribution of Amphipathic Poly(ethylene glycol)-Containing Liposomes," <i>Biochimica et Biophysica Acta</i> , 1190:99-107 (1994).
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	C55	MacDonald, R.C. <i>et al.</i> , "Small-Volume Extrusion Apparatus for Preparation of Large, Unilamellar Vesicles," <i>Biochimica et Biophysica Acta</i> , 1061:297-303 (1991).
	C56	Malhotra, R.K. <i>et al.</i> , "Vasoactive Intestinal Polypeptide and Muscarine Mobilize Intracellular Ca ²⁺ through Breakdown of Phosphoinositides to Induce Catecholamine Secretion," <i>Journal of Biological Chemistry</i> , 263(5):2123-2126 (1988).
	C54	Maruyama, K. <i>et al.</i> , "Effect of Molecular Weight in Amphipathic Polyethyleneglycol on Prolonging the Circulation Time of Large Unilamellar Liposomes," <i>Chem. Pharm. Bull.</i> , 39(6):1620-1622 (1991).
lu	C58	Mayhan, W.G. <i>et al.</i> , "Acetylcholine Induces Vasoconstriction in the Microcirculation of Cardiomyopathic Hamsters: Reversal by L-Arginine," <i>Biochemical and Biophysical Research Communications</i> , 184(3):1372-1376 (May, 1992).

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C59	Mayhan, W.G. <i>et al.</i> , "The Effect of Altering the External Calcium Concentration and a Calcium Channel Blocker, Verapamil, on Microvascular Leaky Sites and Dextran Clearance in the Hamster Cheek Pouch," <i>Microvascular Research</i> , 28:159-179 (1984).
C60	Morice, A. <i>et al.</i> , "Vasoactive Intestinal Peptide Causes Bronchodilatation and Protects Against Histamine-Induced Bronchoconstriction in Asthmatic Subjects," <i>Lancet</i> , 262(8361):1225-1227 (November, 1983).
C61	Muller, J. <i>et al.</i> , "VIP as a Cell-Growth and Differentiation Neuromodulator Role in Neurodevelopment," <i>Molecular Neurobiology</i> , 10:115-134 (1995).
C62	Muranushi, N. <i>et al.</i> , "Effect Of Fatty Acids And Monoglycerides On Permeability Of Lipid Bilayer," <i>Chemistry and Physics of Lipids</i> , 28:269-279 (1981).
C63	Musso, G.F. <i>et al.</i> , "Development of Helix-Based Vasoactive Intestinal Peptide Analogues: Identification of Residues Required for Receptor Interaction," <i>Biochemistry</i> , 27:8174-8181 (1988).
C64	Nivaggioli, T. <i>et al.</i> , "Fluorescence Probe Studies of Pluronic Copolymer Solutions as a Function of Temperature," <i>Langmuir</i> , 11(3):730-737 (1995).
C65	Noda, Y. <i>et al.</i> , "Partitioning of Vasoactive Intestinal Polypeptide into Lipid Bilayers," <i>Biochimica et Biophysica Acta</i> , 1191:324-330 (1994).
C66	Nucci, M.L. <i>et al.</i> , "The Therapeutic Value of Poly(ethylene glycol)-Modified Proteins," <i>Advanced Drug Delivery Reviews</i> , 6:133-151 (1991).
C67	Ollerenshaw, S. <i>et al.</i> , "Absence of Immunoreactive Vasoactive Intestinal Polypeptide in Tissue from the Lungs of Patients with Asthma," <i>New England Journal of Medicine</i> , 320:1244-1248 (May, 1989).
C68	Omary, M.B. <i>et al.</i> , "Identification of Nuclear Receptors for VIP on a Human Colonic Adenocarcinoma Cell Line," <i>Science</i> , 238:1578-1581 (1987).

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